

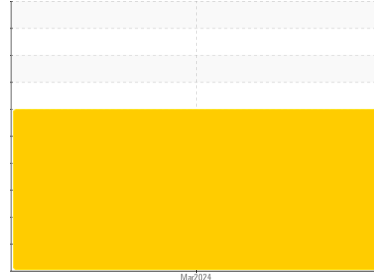
OIL ANALYSIS REPORT

Sample Rating Trend

WEAR



Machine Id
JCB 8330 1420
Component
Diesel Engine
Fluid
PETRO CANADA DURON SHP 10W30 (--- GAL)



DIAGNOSIS

▲ Recommendation

We advise that you monitor for an abnormal oil pressure drop and noise. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

▲ Wear

Lead ppm levels are severe. Bearing wear is indicated.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The oil is no longer serviceable as a result of the abnormal and/or severe wear.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		PC0083171	---	---
Sample Date	Client Info		03 Mar 2024	---	---
Machine Age	hrs	Client Info	3504	---	---
Oil Age	hrs	Client Info	500	---	---
Oil Changed	Client Info		Changed	---	---
Sample Status			SEVERE	---	---

CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>5	<1.0	---	---
Water	WC Method	>0.2	NEG	---	---
Glycol	WC Method		NEG	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>125	26	---
Chromium	ppm	ASTM D5185(m)	>5	<1	---
Nickel	ppm	ASTM D5185(m)	>4	<1	---
Titanium	ppm	ASTM D5185(m)		0	---
Silver	ppm	ASTM D5185(m)	>3	0	---
Aluminum	ppm	ASTM D5185(m)	>25	2	---
Lead	ppm	ASTM D5185(m)	>15	▲ 61	---
Copper	ppm	ASTM D5185(m)	>125	4	---
Tin	ppm	ASTM D5185(m)	>4	<1	---
Antimony	ppm	ASTM D5185(m)		0	---
Vanadium	ppm	ASTM D5185(m)		0	---
Beryllium	ppm	ASTM D5185(m)		0	---
Cadmium	ppm	ASTM D5185(m)		0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	2	14	---
Barium	ppm	ASTM D5185(m)	0	0	---
Molybdenum	ppm	ASTM D5185(m)	50	66	---
Manganese	ppm	ASTM D5185(m)	0	0	---
Magnesium	ppm	ASTM D5185(m)	950	1183	---
Calcium	ppm	ASTM D5185(m)	1050	1125	---
Phosphorus	ppm	ASTM D5185(m)	995	1138	---
Zinc	ppm	ASTM D5185(m)	1180	1380	---
Sulfur	ppm	ASTM D5185(m)	2600	2975	---
Lithium	ppm	ASTM D5185(m)		<1	---

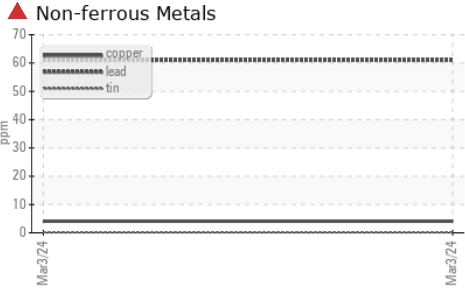
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>50	4	---
Sodium	ppm	ASTM D5185(m)		4	---
Potassium	ppm	ASTM D5185(m)	>20	2	---

INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0.4	---
Nitration	Abs/cm	ASTM D7624*	>20	12.0	---
Sulfation	Abs./1mm	ASTM D7415*	>30	25.2	---

OIL ANALYSIS REPORT

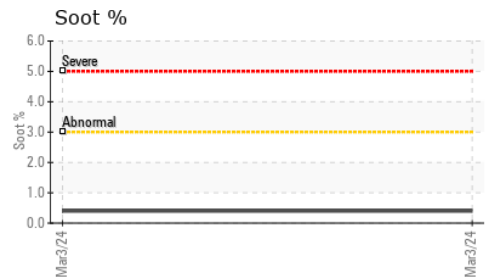
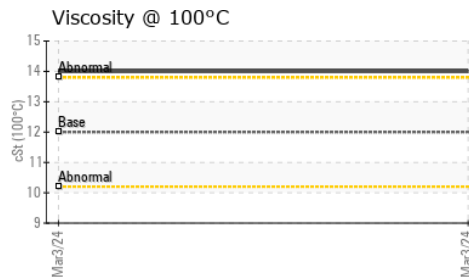
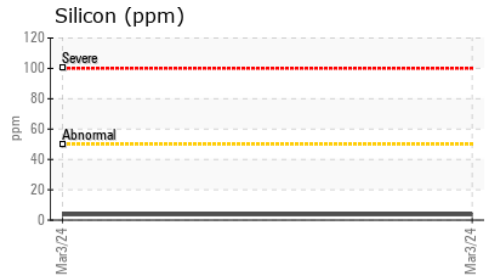
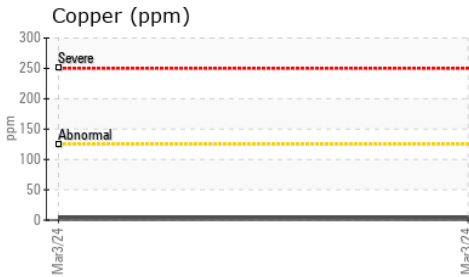
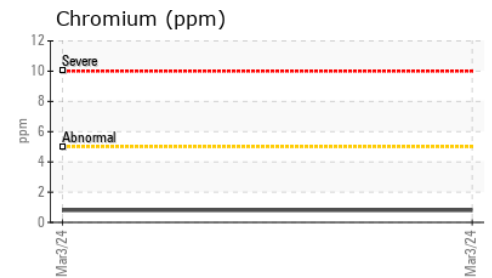
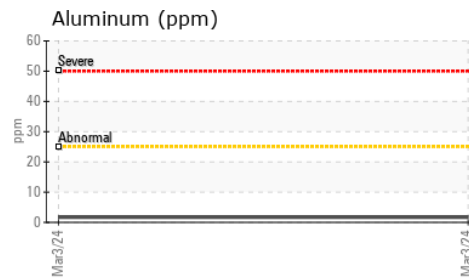
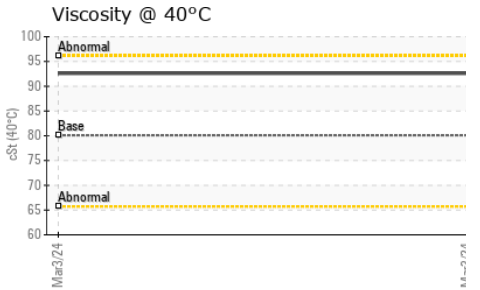
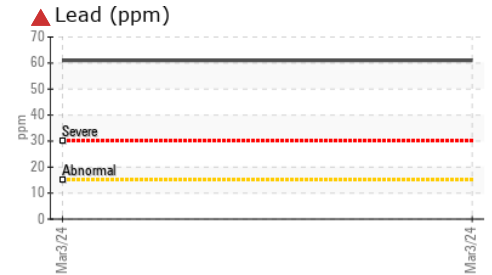
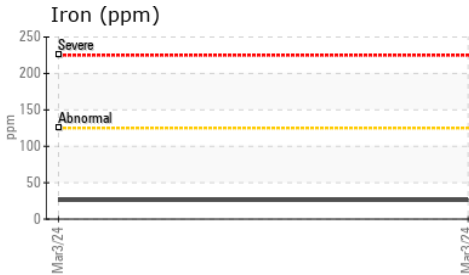
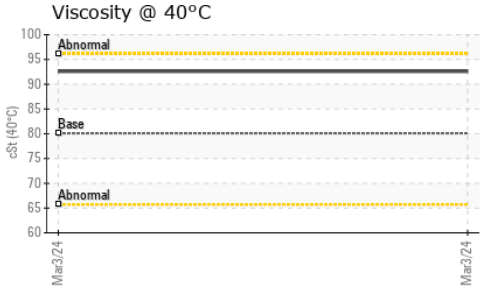


FLUID DEGRADATION	method	limit/base	current	history1	history2	
Oxidation	Abs./1mm	ASTM D7414*	>25	22.4	---	---

VISUAL	method	limit/base	current	history1	history2	
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---
Free Water	scalar	Visual*		NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D7279(m)	80.1	92.6	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	14.0	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	144	154	---	---

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0083171 **Received** : 08 Mar 2024
Lab Number : **02620749** **Tested** : 08 Mar 2024
Unique Number : 5737859 **Diagnosed** : 08 Mar 2024 - Kevin Marson
Test Package : MOB 1 (Additional Tests: KV40, VI)

B FREGEAU & FILS INC
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 ST ALEXANDRE, QC
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 Contact: Steve M.
 stevem@bfregeau.com

To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.